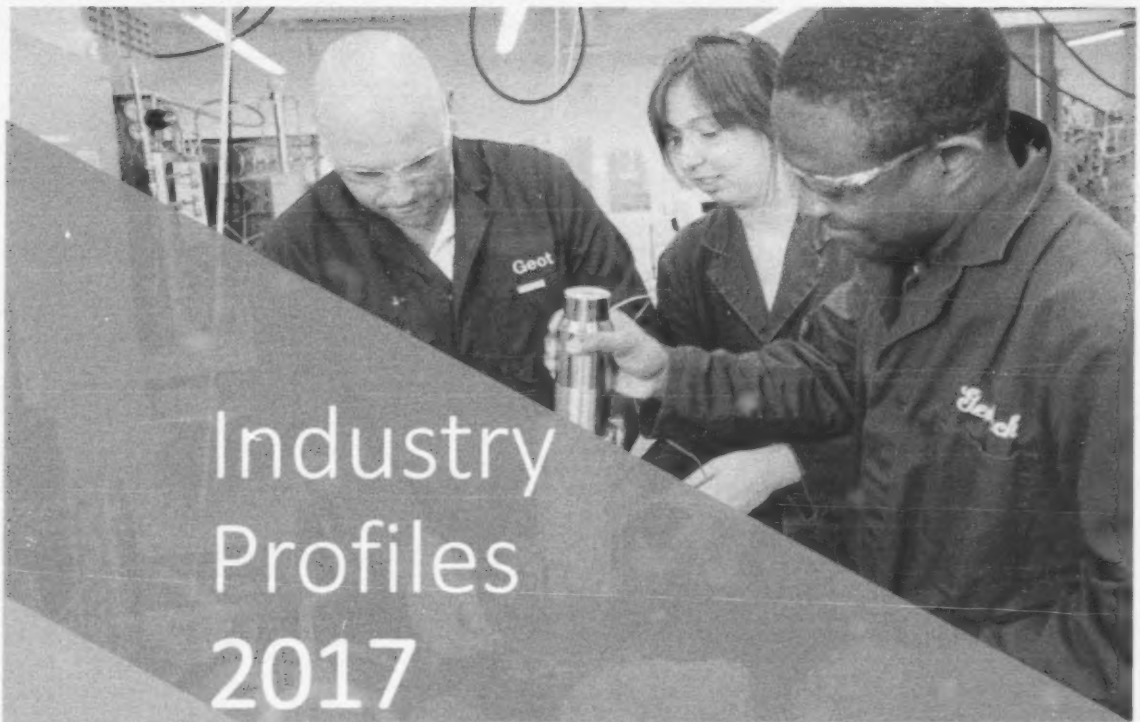

Industry Profiles 2017

Manufacturing Industry

Alberta Government

OVERVIEW

The Manufacturing industry[1] in Alberta includes establishments involved in:

- food manufacturing;
- beverage and tobacco product manufacturing;
- textile, textile product mills and clothing manufacturing;
- petroleum and coal products manufacturing;
- chemical, plastics and rubber manufacturing;
- computer and electronic products manufacturing; and
- other manufacturing.

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[1] North American Industry Classification System (NAICS) 2007 groups 311 and 339

SECTION A
BUSINESS ENVIRONMENT

1. 2016 Employment and Unemployment Numbers and Rates

Table 1

	Alberta	Manufacturing Industry
Employment	2,263,800	115,500
Employment Share	N/A	5.1%
Unemployment	200,800	10,900
Unemployment rate	8.1%	8.6%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0008, 2016
Note: Note: N/A denotes not-applicable. Employment share is obtained by dividing the number of employment in this industry by total employment in Alberta.

For more information on employment numbers or for a historical comparison, please go to the Labour Force Statistics[2] website or Statistics Canada[3].

2. Industry's Growth

- The Manufacturing industry accounted for 5.1% of total employment in Alberta in 2016.
- Employment in this industry is expected to grow at an average rate of 1.1% from 2016 to 2019[4].
- The industry is expected to account for 6.4% of total employment in Alberta in 2017.

For more information, see the Alberta Learning Information Service (ALIS)[5] website for descriptions of industries.

[2] See http://work.alberta.ca/labour/labour-force-statistics-and-annual-reviews.html
[3] See http://www.statcan.gc.ca
[4] Alberta Modified Canadian Occupational Projection System (COPS) Outlook 2015 – 2019, Industry Employment Outlook
[5] See http://www.alis.alberta.ca

3. Facts, Trends and Outlook

According to Statistics Canada's National Economic Accounts, the Manufacturing industry accounted for approximately 5.9% of Alberta's Gross Domestic Product in 2015, down from 7.8% in 2005. Its contribution to Alberta's total employment declined from 7.4% in 2006 to 5.1% in 2016.

Total employment (the total number of employees and self-employed people, 15 years and over) in 2016 was 21.1% lower than its level in 2015. Over the last 10 years, employment decreased by 25,400 from 2006, an 18.0% increase. There were 115,500 employed in the industry in 2016, of whom 94.8% were full time and 5.2% were part time.

Table 2

Characteristic	Alberta	Manufacturing
Median Retirement Age (years)	63.3	63.1
Average Number of Hours Worked per Week	36.2	39.5
Multiple Jobholders (% of total employment)	5.9%	4.7%
Average Job Tenure (months)	90.2	100.8
Employees Under Union Coverage (%)	20.8%	17.7%
Employees Working Overtime per Week (%)	17.1%	23.5%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Tables 282-0022, 282-0031, 282-0042, 282-0078 and 282-0084, 2016, and custom tabulation (median retirement age)
Note: The percentage of multiple jobholders is obtained by dividing the number of multiple jobholders by total employment. This calculation method also applies to the percentage of employees under union coverage and the percentage of employees working overtime per week.

4. Size of Businesses in Alberta and the Industry

Table 3

Establishment Size	Businesses in Alberta		Businesses in Manufacturing	
	Number of Employees	%*	Number of Employees	%*
Less than 20 employees	673,000	35.6%	26,800	24.7%
20 to 99 employees	671,400	35.5%	42,000	38.7%
100 to 500 employees	346,900	18.3%	27,200	25.1%
More than 500 employees	199,800	11.0%	12,500	11.5%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0076, 2016

* Percentages may not add up to 100 due to rounding

Note: Statistics Canada's survey methodology for determining establishment size differs from the one it uses in the Labour Force Survey to determine total employment. As a result, the total number of employees by establishment size will not be the same as total employment in the industry, except by coincidence.

SECTION B
HUMAN RESOURCES PROFILE

1. Occupational Information

Some examples of occupations in the Manufacturing industry include:

- meat cutter;
- machinist;
- manufacturing engineer;
- sawmill machine operator; and
- instrument technician.

For a complete listing of all occupations related to this industry, as well as detailed information on education and skill requirements, visit the Alberta Occupational Profiles[6] website.

2. Demographics: Gender and Age

According to the Labour Force Survey, the gender breakdown in the Manufacturing industry in 2016 was as follows:

- women employed: 28,200 people, or 24.4%
- men employed: 87,300 people, or 75.6%

Overall in Alberta, women accounted for 45.5% and men made up 54.5% of total employment (for all industries).

Table 4

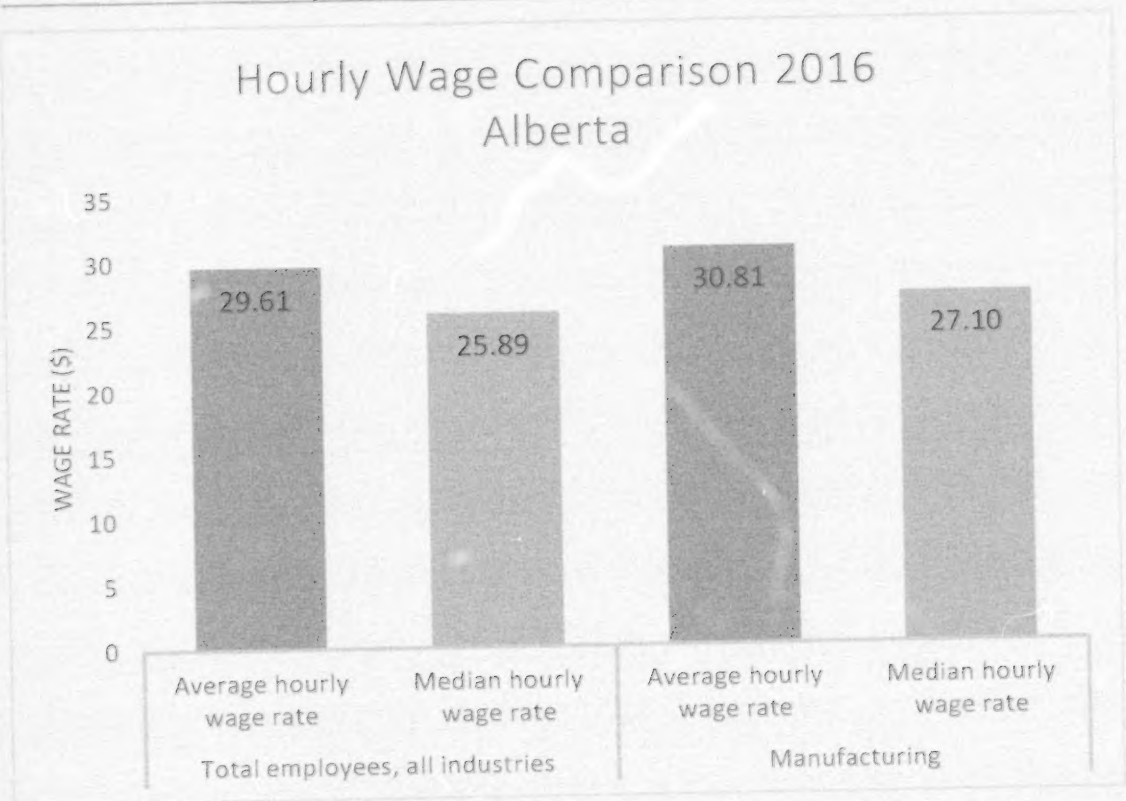
Age Characteristics	Employment in Alberta		Employment in Manufacturing	
	Number	%*	Number	%*
15-24 years	303,200	13.4%	8,500	7.4%
25-54 years	1,536,000	67.9%	85,600	74.1%
55 years and over	424,600	18.8%	21,400	18.5%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0008, 2016
*Percentages may not add up 100 due to rounding.

[6] See http://occinfo.alis.alberta.ca/occinfopreview

3. Wages and Salaries

Chart 1



Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0072, 2016
Note: The average hourly wage is obtained by dividing the sum of the wages of all the employees by the total number of employees. The median hourly wage is that wage below which half the employees earn and above which half the employees earn.

Wage and Salary Information for Selected Occupations

Table 5

Occupation	Average Hourly Wage			Average Annual Salary
	Starting	Overall	Top	
Industrial engineer	$31.96	$40.27	$52.84	$83,440
Manufacturing manager	$36.82	$50.43	$79.87	$106,446
Industrial instrument technician and mechanic	$30.16	$36.08	$40.75	$74,469
Machinist	$23.72	$29.64	$35.28	$62,472

Data Source: 2015 Alberta Wage and Salary Survey

For more information on the *2015 Alberta Wage and Salary Survey*, refer to the WAGEinfo[7] website. For job descriptions, duties, skills and educational requirements of specific occupations in the Manufacturing industry, visit the ALIS[8] website.

[7] See http://www.alis.alberta.ca/wageinfo
[8] See http://www.alis.alberta.ca

SECTION C
ADDITIONAL INFORMATION

Links to Industry Associations

- Brewers Association of Canada (http://www.brewers.ca)
- Canadian Poultry and Egg Processors Council (http://www.cpepc.ca)
- Canadian Plastics Industry Association (http://www.plastics.ca)
- Canadian Fuels Association (http://canadianfuels.ca)
- Canadian Machinery and Metal Working Magazine (http://www.canadianmetalworking.com)
- Canadian Manufacturers and Exporters (http://www.cme-mec.ca)

Call us or visit our website for more information or to find the following publications:

- 2016 Annual Alberta Labour Market Review
- Monthly Alberta Labour Force Statistics Highlights and Packages
- Alberta's Occupational Demand and Supply Outlook
- Alberta Labour Force Profiles
- Alberta Industry Profiles

www.work.alberta.ca/labour.html (see Labour Market Information)
In Edmonton: 780.422.4266
Long distance: 1.800.661.3753

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